

Ameren Missouri BizSavers[®] Program Energy Savings Case Study

The Kraft Heinz Company

Since 2016, Kraft Heinz has made several energy-saving upgrades, taking advantage of the Ameren Missouri BizSavers Program as part of an approximately \$146 million investment to expand the plant. Over the course of two large projects, Kraft Heinz renovated 100,000 square feet of its plant in Kirksville and built a new addition of 236,000 square feet. By utilizing incentives from the BizSavers Standard, Custom and New Construction programs, the company was able to upgrade to energy-saving LED lights, improve compressed air efficiency and upgrade variable frequency drives (VFDs) on process motors. These energy-efficient upgrades resulted in saving more than **\$1,154,678** in their electricity costs each year.

Project Summary

In their existing building, Kraft Heinz overhauled their facility lighting, installing almost 600 LED fixtures and exit signs, reducing their energy use by 561,000 kWh. When designing their building addition, Kraft Heinz worked with the BizSavers New Construction program to perform a Lighting Power Density study, optimize compressed air performance and add VFDs to motors controlling 7,805 horsepower. In addition to replacing old rotary screw compressors with modern centrifugal compressors, the company also added glycol chillers and cold and hot water pumps to a system comprising 12,600 horsepower of motors. In total, these upgrades resulted in annual energy savings of 15,817,512 kWh.

Incentive

Kraft Heinz has earned more than \$1,025,080 in incentives for its energy-saving upgrades from the BizSavers Program. Because of the generous incentives and annual energy cost savings, the upgrades to the facility in Kirksville will pay for themselves within 5.2 years.

Technology

Adding VFDs to process motors provides greater control over motor speeds, helping reduce energy use when motors and pumps are not required to run at full speed.

Old, inefficient or poorly-maintained compressed air systems can be extremely costly. Optimizing system performance and upgrading to more efficient equipment can help reduce pressure drops and system leaks, saving thousands on electricity costs.

Another easy energy efficiency improvement can be made by upgrading to LEDs. LED lighting is known for its low energy costs and long life. Making energy-efficient LED, Compressed Air and HVAC improvements, like control systems and VFDs, have several benefits in addition to energy cost savings, including reduced maintenance costs and improved comfort and safety, providing a better environment for employees.

Facility Information

Facility type:
Industrial/Manufacturing

Measures:
**Lighting, VFDs on
Process Motors and
Compressed Air**

Annual energy cost savings:
\$1,154,678

Annual kWh savings:
15,817,512

Total project costs:
\$4,964,448

Total incentives:
\$1,025,080

Payback:
5.2 years

Get Started Saving!

Find out how you can save at AmerenMissouri.com/BizSavers or by contacting a Business Development Representative at BizSavers@Ameren.com or **1.866.941.7299**. Ready to start saving now? Find an approved contractor at TradeAllyNetwork.com.